SimPal-B3

GSM Alarm System

User Manual

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Chapter 1: General system overview

1.1 Interview

Thank you for purchasing the SimPal-B3.

The SimPal™ Wireless Alarm System is a quality security system with a wide range of user friendly features. The system is controlled by a Wireless Alarm Panel, which gathers information from wireless sensors placed around and at the entry points of your home or office. If the Wireless Alarm Panel detects somebody moving or a security exceptions, the LCD display will flash and the siren will sound.

A SIM card can be used in the Panel to send out the alarm message by SMS, or making emergency phone calls. The user calls the Panel to listen in live voice or communicate with the morning area.

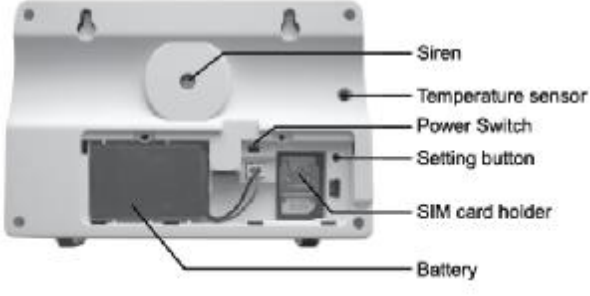
Details of the functioning and advanced operation of this device are described in this instruction manual.

1.2 Package contents

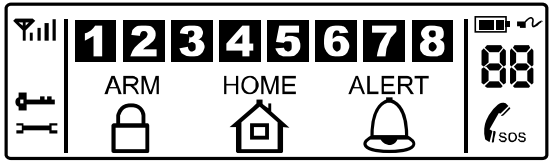
Please check that all of the following items were included in the package before installing the system:

① Alarm panel：1 unit
② Door/Window sensors (433Mhz)：1 units
③ PIR detector (433Mhz)：1 units
④ Keychain remote controls (433Mhz)：2 units
⑤ AC power adapter for wireless alarm panel (12V)：1 unit
⑥ User manual：1 unit

1.3 Wireless alarm panel instruction



1.3.1 LCD display



. GSM Signal strength (only when the SIM card installed)

1 2 3 4 5 6 7 8

1- 8 zone status: The Wireless Alarm Panel supports up to 8 zones. Each zone supports 1 sensor (A doorbell is recognized as a sensor). After the sensor is loaded onto the zone and the alarm panel entering into STANDBY status, the zone number will display accordingly.

ARM

ARM mode icon: It shows that the alarm panel is working in ARM mode. When any of the sensor be triggered, the built-in siren in the alarm panel will emit loud sound. Meanwhile, all zone numbers will be displayed as a white number with black background, such as "1".

ALERT

ALERT mode (doorbell) icon: It shows the Wireless Alarm Panel is working in ALERT mode. When any of the sensor be triggered, the doorbell will ring. Meanwhile, all numbers of zone

which work in ALERT mode will display as a black number, such as "2".

HOME

HOME mode icon: It means the Wireless Alarm Panel is working in HOME mode. Each of the zone can be set working in the ARM or ALERT mode. The 1-8 zone number will display as a black number (ALERT mode), or a white number with black background (ARM mode).

Battery icon: This icon shows power status when the AC power supply is unplugged or interrupted. 3.7V battery functions as back-up only. The flashing icon means low battery and the alarm panel will shut down automatically.

AC Adaptor icon: This icon will appear when the AC adaptor to the alarm panel is connected to a wall socket.

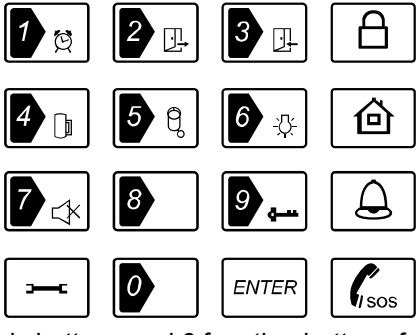
Numbers: It shows number of phone number, password code, temperature or time counting down for arming/disarming.

Keypad lock: This icon appears when the keypad operation pauses for more than 10 seconds and the keypad is locked. Key in the password code to unlock the keypad.

Setting icon: This icon appears when the Wireless Alarm Panel works in STANDBY mode and the button is pressed. It means the working mode of the Panel can be set or the sensors can be loaded.

SOS icon: This icon appears when the Wireless Alarm Panel is making a panic phone call or the user is listening in the Panel area by phone.

1.3.2 Keypad



0-9 numeric buttons and 6 function buttons for entering the number and setting the working modes.

1.3.3 Beep tone

One beep indicates that you entered a valid password.

Two beeps indicate that an invalid operation was performed.

Chapter 2: Installation

2.1 Installing the wireless alarm panel

l Unscrew the battery compartment and remove the battery cover by pulling up from the middle hollow.

l SIM card: Firstly, make sure the GSM SIM card have Caller ID functions activated and the PIN code of the SIM must be deactivated. (Contact your GSM network service provider for support.)

l Insert the SIM card into the slot. Note the metal circuit board is face down.

l Insert a back-up battery (noting the polarity) and plug the AC adaptor into the Wireless Alarm Panel.

l Power on/off: Turn the power switch to “On” position, the Wireless Alarm Panel will power up. Turn the power switch to “OFF” position and it will power off.

l Installing the battery cover by upward bending to make both sides buckle into the slot, drive in the screws, and connect the AC adaptor to a wall socket.

2.2 Wall-mounting the wireless alarm panel

l Locating the wireless alarm panel. The wireless alarm panel should be placed within a few feet of an electrical outlet where it is

easily accessible.

- Mark on the wall the points for drilling holes for the wall plugs and mounting screws.
- Drill the holes, insert wall plugs and locate the mounting screws for the Wireless Alarm Panel.
- Drive in screw to fix the magnet on wall.
- Mount the Wireless Alarm Panel onto the wall.

Chapter 3: Basic use and settings

3.1 User authorization level

There are two user levels, each with a different authorization level, namely Master and Families.

Table 3.1 the difference in authority for Master and Families users:

Functions \ User Type		Master	Families
Change authority, password		**YES**	NO
Automatic Alarm	Receive SMS alarm	**YES**	**YES**
	Receive alarm calling	**YES**	**YES**
Emergency alarm	Receive SMS	**YES**	**YES**
	Receive emergency calling	**YES**	**YES**
Call the camera to listen in live voice		**YES**	**YES**
Call the camera to listen in and talk with the Panel area		**YES**	NO
Set Wireless Alarm Panel working mode by SMS command		**YES**	**YES**

3.2 About the SMS Commands

I Master and families users' SMS command format: #code#content#.

- The password must be a four-digit number. The original password is 1234.
- The maximum digits that are allows for the phone number is sixteen.
- After receipt of the command, a SMS reply will be sent to user's mobile phone.
- No allow any space within the commands.
- The "#" symbol must not be ignored when typing an SMS command.

3.3 Add a Master number to the Wireless Alarm Panel

Only one Master mobile number (Master number) is allowed for the Panel.

The Master user must edit and send the following SMS to the Panel via his/her mobile phone (the phone number will be the Master number) in order to:

Add a Master number to the Panel: #00# (1)

3.4 Change the Master number

The user sends following SMS message in order to:

Change the Master user's number: #14# NewMaster# (2)

❙ The NewMaster should be the Master user's mobile phone number. The +CountryCode means the access code for country calling. For example:

In Germany, if the user mobile number is 01712345678, then this command should be #14#+491787654321# (+49 is the country code of Germany, 1787654321 is new Master number).

❙ In some countries, all that necessary is to send Area Code + the number. For example, the command #14#1787654321# would be sufficient.

3.5 Define the Family user

Up to 4 Family users are set by the Master user.

The Master user edits and sends the following SMS to the Panel in order to:

Add a Family number to the Panel: #06#FamilyNumber# (3)

If the Family number quality is over 4, old Family number must be removed at first and then new Family number can be set.

Delete a Family number: #11#FamilyNumber# (4)

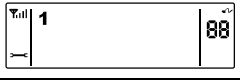
Delete all Family numbers: #11# (5)

❙ The FamilyNumber should be the Family user's mobile phone number.

3.6 Change the password

In order to ensure your privacy and safety during the use of this Panel, it is recommended that you change the password. There are two methods to change the password:

Method 1: Change the password on the keypad:

Pressing keys	Description	Display
Ready	STANDBY mode	
Password (or [1] [2] [3] [4]), [ENTER]	Unlock the keypad.	
[*] [9]	Set the password	LCD display flashes with "1" 
New password, [ENTER]		LCD display flashes with "2"
New password, [ENTER]		

Method 2: The user sends following SMS message in order to:

Change the password: **#04#*oldpassword#newpassword#*** (6)

- The password is a four digit number.
- The original password is 1234.

3.7 Entering STANDBY status

In STANDBY mode, the Wireless Alarm Panel is prepared for mode selection and the Panel cannot send out alarm except special sensor alarm and doorbell. The LCD screen will display the number of sensors which were paired with the Panel.

There are three methods for entering STANDBY status:

Method 1: By the keypad.

Pressing keys	Description	Display
Password (or 1 2 3 4), ENTER	Entering STANDBY mode	

Method 2: By SMS command.

The user sends following SMS message in order to:

Entering STANDBY status: #02# (7)

Method 3: By pressing DISARM button on the keychain remote control.

3.8 Arming the Panel

In ARM mode, the Wireless Alarm Panel is prepared for alarm if any of the sensor is triggered alarm. The LCD screen will display ARM icon and numbers of zone which be set working in ARM mode.

When the Panel alarms, the built-in siren will be sound and the background light of LCD screen will flashing red.

There are three methods for entering ARM mode:

Method 1:

Entering ARM mode by the keypad:

Pressing keys	Description	LCD Display
Password (or [1] [2] [3] [4]), [🔒]	Entering ARM mode	Numbers of zone which be set working in ARM mode will appear. Such as 1

Preset the zone which working in ARM mode:

Pressing keys	Description	LCD Display
Password (or [1] [2] [3] [4]), [ENTER]	STANDBY mode	
[⊸] [🔒]	ARM mode Settings	ARM 🔒 The zone numbers which do not selected in ARM mode will flash.
Pressing number buttons will cancel the ARM mode setting for the zone;	Sensor exits ARM mode	Numbers of zone will cancel.
Pressing again to preset the zone working in ARM mode.	Zone enters ARM mode	Numbers of zone which be set working in ARM mode will appear. Such as 1

Method 2: By SMS command.

The user sends following SMS message in order to:
Enter ARM mode: #01# (8)
Method 3: By pressing ARM button on the keychain remote control.

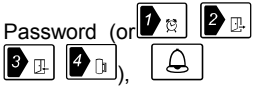
3.9 ALERT(Doorbell) mode

In ALERT mode, the Wireless Alarm Panel is prepared for alarm if any of the sensor is triggered alarm. The LCD screen will display ALERT icon and numbers of zone will display as a black number.
When the Panel alarms, the doorbell will ring.

3.9.1 Entering ALERT mode

Method 1:

Entering ALERT mode by the keypad:

Pressing keys	Description	LCD Display
Password (or ),	Zone enters ALERT mode	ALERT Numbers of zone which be set working in ALERT mode will display as a black number, such as "**2"**

Preset the zone which working in ALERT mode:

Pressing keys	Description	LCD Display
Password (or [1] [2] [3] [4]), [ENTER]	STANDBY mode	
[⊸] [🔔]	ALERT mode settings	ALERT 🔔 The zone numbers which do not work in ALERT mode will flash.
Pressing number buttons will cancel the ALERT mode setting for the zone;	Sensor exits ALERT mode	Numbers of zone will cancel.
Pressing again to preset the zone working in ALERT mode.	Zone enters ALERT mode	Numbers of zone which be set working in ALERT mode will display as a black number, such as "**2"**

Method 2: By SMS command.

The user sends following SMS message in order to:

Enter ALERT Mode: #03#1# (9)

Method 3: By pressing ALERT button on the keychain remote control.

3.9.2 Exiting ALERT mode

Refer to Chapter 3.7 Entering STANDBY mode.

3.10 HOME mode

3.10.1 Entering HOME mode

In HOME mode, the Wireless Alarm Panel is prepared for alarm if any of the sensor is triggered alarm. The LCD screen will display HOME icon, meanwhile, each zone can be set working in the ARM or ALERT mode. The 1-8 zone number will display as a black number (ALERT mode), or a white number with black background (ARM mode).

When the zone working in ALERT mode alarms, the doorbell will ring. And when the zone working in ARM mode alarms, the built-in siren will be sound.

There are two methods for entering HOME mode:

Method 1:

Entering HOME mode by the keypad:

Pressing keys	Description	LCD Display
Password (or 1 2 3 4)	Entering HOME mode settings	HOME All the numbers of zone which have been paired sensor will display, such as "1".

Preset the zone which working in HOME mode:

Pressing keys	Description	LCD Display
Password (or 1 2 3 4),	STANDBY mode	
	HOME mode settings	HOME The numbers of zone which do not work in HOME mode will flash.
Pressing number buttons to cancel the zone setting of HOME mode;	Zone exits HOME mode	The zone number will display flash.
Pressing again will preset the zone working in ARM mode;	Zone enters ARM mode	Numbers of zone which be set working in ARM mode will display as a black background number, such as "**1**"
Pressing the third time will preset the zone working in ALERT mode.	Zone enters ALERT mode	Numbers of zone which be set working in ALERT mode will appear. Such as "**2**"

Method 2: By SMS command.

The user sends following SMS message in order to:

Enter HOME Mode: #03#2# (10)

3.10.2 Exiting HOME mode

Refer to Chapter 3.7 Entering STANDBY mode.

3.11 Telephone communication with the Panel area

The **Master** and **Family** users call the Wireless Alarm Panel after which it will answer automatically. The user can then listen in the live audio in the monitoring area. Only one line can be connected to the Panel at a time.

When the **Master** user calls the Panel, its Speaker is default opening so that the **Master** user can communicate with the Panel area.

The **Master** user sends following SMS message in order to:

Deactivate the speaker and then listening in the Panel area:

#25#0# (11)

Activate the speaker and then talking with the Panel area (Default):

#25#1# (12)

Note: For the calling made by the Panel emergency alarm, the speaker could not deactivate by command 12.

3.12 Emergency alarm

When the emergency alarm is triggered, the Wireless Alarm Panel will dial the **Master** and **Family** users' number. The Panel will repeat this process 3 times until someone answers. After 3 attempts, if there is no answer, the Panel will automatically stop dialing and

revert to its preset mode. When someone answers the call, he/she will be able to listen in the live audio and talk with the Panel area.

The Wireless Alarm Panel will be in emergency mode alarm unconditionally when the following two processes happen:

Method 1: SOS button on the keychain remote control be pressed.

Method 2: Sending emergency alarm by the keypad.

Pressing keys	Description	LCD Display
Password (or 1 2 3 4), ENTER	Unlock the keypad	
Pressing SOS button for 3 seconds	Emergency alarm	

Chapter 4: Sensors and keychain remote controls

4.1 Pairing sensors

User can pair wireless sensor with panel by following two methods:

Method 1: Loading sensor by keypad.

Pressing keys	Description	LCD Display
Password (or [1] [2] [3] [4]), [ENTER]	STANDBY mode	
[key] [4]	Entering sensor setting mode	The zone numbers which have been paired sensor will display with black background, such as "**1**"; otherwise, they will display with a black number, such as "**2**";
Pressing a number button to choose the zone which is prepare for loading a new sensor.	Choosing a zone	The zone number will flash.

The user needs to make the sensor work and transmit signal to be studied by the Panel;	Loading sensor	The zone number which has been successfully loaded sensor will display with black background, such as "1"

Method 2: By SMS command.

1. The user sends following SMS message in order to:

Change the password: #05#*ZoneNumber*#*SensorDescription*# (13)

- *ZoneNumber* is one digit zone number which hasn't been loaded a sensor.
- *SensorDescription* is used for identify different sensors affiliated with each zone. It can be numbers and letters.

2. When the Panel has received the SMS command, it will then send a notification message via SMS to the user stating "Waiting to load wireless sensor, make the sensor work immediately.", otherwise, it will inform the zone numbers which haven't been loaded a sensor and then user must resend a correct command to the Panel.

3. The user needs to make the sensor work and transmit signal to be studied by the Panel.

E.g. For a wireless door sensor, open and close the door once to send the signal to the Panel.

4. When the Panel receives the sensor signal, it will send a notification message via SMS to the user. The zone number which has been successfully loaded sensor will display with black background, such as "1".

5. The Panel will emit "Beep, Beep…" tone if the user want to load

an paired sensor which has already been loaded onto the other zone.

6. Press [ENTER] button of the Panel to exit the loading mode manually. Otherwise the Panel will exit the loading mode automatically after 30 seconds.

4.2 Removing sensor from the Panel

Method 1: Removing sensor by the keypad:

Pressing keys	Description	LCD Display
Password (or [1] [2] [3] [4]), [ENTER]	STANDBY mode	
[4]	Entering sensor setting mode	The zone numbers which have been paired sensor will display, such as "1"
Pressing a number button to choose the zone which is waiting for removing the sensor.	Choosing a zone	The zone number will flash.
[ENTER]	Confirm	The sensor will be removed from the zone and then the zone number will display as a black number, such as

		"**2**".

Method 2: By SMS command.

The user sends following SMS message in order to:

Removing the sensor from a zone: #26#*ZoneNumber*# (14)

Removing all sensors from the Panel: #26# (15)

4.3 Renaming the sensor of a zone

The user sends following SMS message in order to:

Renaming the sensor of a zone: (16)

#27#*ZoneNumber*#*SensorDescription*#

- *ZoneNumber* is one digit zone number which the sensor is loaded.

- *SensorDescription* is used for identify sensor. It can be numbers and letters.

4.4 Special sensors

The Wireless Alarm Panel supports up to 8 special sensors which is paired with the Panel, but their information will not display on the zone.

4.4.1 24-hour sensor

No matter what working mode the Wireless Alarm Penal is working

in, if the 24-hour sensor is triggered, the Panel will alarm unconditional, such as smoke sensor, gas sensor etc. The working status of 24-hour sensor do not show on the LCD screen. When it triggers alarm, the Panel will send notification message by SMS or make phone call to the user.

The user sends following SMS message in order to:

Pairing a 24-hour sensor: #15#1#*SensorDescription*# (17)

Removing a 24-hour sensor: #15#1# (18)

4.4.2 Accompany sensor

An accompany sensor could be a PIR motion sensor which be used to take care of the elderly and children. If the Panel do not receive the accompany sensor alarm signal within a preset period of time, the Panel will send notification message by SMS or make phone call to the user.

The user sends following SMS message in order to:

Pairing an accompany sensor: #15#2#*SensorDescription*# (19)

Set the time period for accompany sensor: #28#*Time*# (20)

Activate the accompany sensor: #29#1# (21)

Deactivate the accompany sensor: #29#0# (22)

Removing all accompany sensors: #15#2# (23)

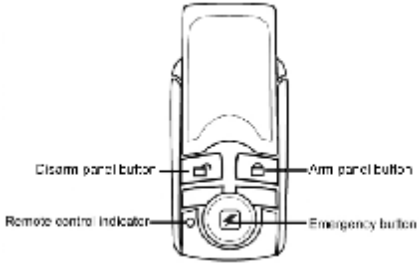
- *SensorDescription* is used for identify different accompany sensor. It can be numbers and letters.
- The *Time* is a minimum time period which the Panel receives alarm signal from accompany sensor. Its values should be in the range from 30-300 minutes. The default value is 30 minutes.
- Note: The alarm signal from all activated accompany sensors

could be a valid signal within the preset time period.

4.4.3 Doorbell sensor

When the Panel receives signal from doorbell sensor, the doorbell rings will be sound unconditional.
The user sends following SMS message in order to:
Pairing a doorbell sensor: #24#*SensorDescription*# (24)
Removing all doorbell sensors: #24# (25)
I *SensorDescription* is used for identify different doorbell sensor. It can be numbers and letters.

4.4.4 Keychain remote control



Arm the Panel button: Pressing this button to arm the Panel. The Panel will enter the preset working mode, such as ARM mode, ALERT mode or HOME mode.
Disarm the Panel button: Pressing this button to disarm the Panel. The Panel will enter STANDBY mode.

Panic button: Pressing this button, the Panel will be triggered emergency alarm.

There are two methods for pairing/removing the keychain remote control:

Method 1: **By the keypad**

Pair keychain remote control:

Pressing keys	Description	LCD Display
Password (or [1] [2] [3] [4]), [ENTER]	STANDBY mode	
[*] [5]	Entering remote control settings	
Press any button of keychain remote control.	Pairing remote control	One BEEP tone be sound.

The Panel will emit “Beep, Beep” tones if the keychain remote control has been paired with the Panel.

Remove keychain remote control by the keypad:

Pressing keys	Description	LCD Display
Password (or [1] [2] [3] [4]), [ENTER]	STANDBY mode	
[*] [5]	Entering remote control settings	

Press button and hold for 3 seconds.	Removing remote control	One BEEP tone be sound.

Method 2: **By sending SMS message**

The user sends following SMS message in order to:

Removing all keychain remote controls: #17# (26)

Chapter 5: Advanced settings

5.1 Adjusting entry delay

The default setting of the Wireless Alarm Panel allows the user 30 seconds to enter the property and DISARM the alarm before it is triggered. However, this Entry Delay can be adjusted to between 0-60 seconds.

Method 1: **By the keypad**

Presetting entry delay:

Pressing keys	Description	LCD Display
Password (or [1] [2] [3] [4]), [ENTER]	STANDBY mode	
[*] [3]	Entering entry delay settings	The LCD screen flashes with the number of seconds currently set for the Entry Delay (Default setting is 30 seconds)
Each time [3] is pressed the Entry Delay is increased by a further 10 seconds.	Setting entry delay	The Entry Delay time will be adjusted between the adjustable range of 0-60 seconds.

ENTER	Confirm	Return the Panel to STANDBY mode.

Method 2: **By sending SMS message**

The user sends following SMS message in order to:

Setting entry delay: #16#1#*Time*# (27)

! The *Time* values should be in the range from 0-60 second(s). 0 means no entry delay.

5.2 Adjusting exit delay

The default setting of the Wireless Alarm Panel allows the user 30 seconds to exit the property before the alarm is ARMED. However, this Exit Delay can be adjusted to between 0-60 seconds.

Method 1: **By the keypad**

Pressing keys	Description	LCD Display
Password (or 1 2 3 4), ENTER	STANDBY mode	
2	Entering Exit Delay settings	The LCD screen flashes with the number of seconds currently set for the Exit Delay (Default setting is 30 seconds)
Each time 2 is pressed the Exit Delay is increased by a further 10 seconds.	Setting Exit Delay	The Exit Delay time will be adjusted between the adjustable range of 0-60 seconds.

ENTER	Confirm	Return the Panel to STANDBY mode.

Method 2: **By sending SMS message**

The user sends following SMS message in order to:

Setting exit delay: #16#2#*Time*# (28)

l The *Time* values should be in the range from 0-60 second(s). 0 means no entry delay.

5.3 Timed arming the Panel

The Wireless Alarm Panel will arm automatically according to the schedule.

5.3.1 Set time period to arm the Panel

The user sends the following SMS message in order to:

Set time period to arm the Penal:

#22#*WorkDay*#*ArmTime1*#*DisarmTime1*#*ArmTime2*#*DisarmTime2*# (29)

l Up to 2 periods be allowed per workday. Each period time should set by *ArmTime*, *DisarmTime*.

l *WorkDay*: single digit, in the range of "0" to "9". The following table contains the descriptions of each value:

Value	Corresponding day
0	Sunday
1	Monday
2	Tuesday
3	Wednesday
4	Thursday
5	Friday

6	Saturday
7	Everyday
8	Monday to Friday
9	Saturday and Sunday

l *ArmTime* and *DisarmTime*: Be consists of 4 digits (hh:mm) and works on a 24 hour clock. For example: 0000 means time 00:00(hh:mm), 2359 means time 23:59(hh:mm). The *ArmTime* and *DisarmTime* should be in the same day, and the *DisarmTime* must be later than *ArmTime* during the same period.

5.3.2 Enable/Disable timing arming the Panel

The user sends the following SMS message in order to:
Enable timing arming the Panel: #23#1# (30)
Disable timing arming the Panel: #23#0# (31)

5.3.3 Alarm settings

5.3.3.1 Built-in siren warning tone upon alarm triggering

In ARM mode, when the Wireless Alarm Panel is triggered alarm, the built-in siren will be sound (110dB).

Method 1: **By the keypad**

Pressing keys	Description	LCD Display
Password (or 1 2 3 4), ENTER	STANDBY mode	

	Entering time settings	The LCD screen flashes with the number of minutes currently set for the siren sounded time(Default 1 minute) when the Panel alarms
Each time is pressed the time is increased by a further 1 minute.	Setting siren sounded time	The siren sounded time will be adjusted between the adjustable range of 0-6 minutes. Time 0 means the siren will not sound when the Panel alarms.
	Confirm	Return the Panel to STANDBY mode.

Method 2: **By sending SMS message**

The user sends following SMS message in order to set:

Siren sounded time: #12#*Time*# (32)

I The *Time* values should be in the range from 0-6 minute(s). 0 means no siren sound. Default *Time* value is 1.

5.3.3.2 SMS notification upon alarm

When the Wireless Alarm Panel is triggered alarm by a sensor, it will send SMS notification message to the user's mobile phone.

The user sends the following message via SMS to the Wireless Alarm Panel in order to:

Activate the SMS notification upon sensor alarm(Default): #18#1# (33)

No SMS notification upon sensor alarm: #18#0# (34)

Activate the SMS notification upon doorbell alarm when in ALERT or HOME mode: #19#1# (35)

No SMS notification upon doorbell alarm when in ALERT or HOME mode (Default): #19#0# (36)

5.3.3.3 Call notification upon alarm

When the Wireless Alarm Panel is triggered alarm, it will make phone call to the user's mobile phone.

The user sends the following message via SMS to the Wireless Alarm Panel in order to:

Activate call notification upon alarm(Default): #20#1# (37)

No call notification upon alarm: #20#0# (38)

Activate call notification upon doorbell alarm: #21#1# (39)

No call notification upon doorbell alarm(Default): #21#0# (40)

5.3.4 Arming/Disarming the Panel by call

The Wireless Alarm Panel can be set arming or disarming by making phone call remotely by the user.

The user sends the following message via SMS to the Wireless Alarm Panel in order to:

Activate arming/disarming by call(Default): #32#1# (41)
Deactivate arming/disarming by call: #32#0# (42)

5.3.5 The audible countdown(Beeper)

When the Wireless Alarm Panel is ARMED the audible countdown can be silenced by pressing the 7 button during the countdown. To reactivate the audible countdown simply press 7 button again.

Method 1: **By the keypad**

Pressing keys	Description	LCD Display
Password (or 1 2 3 4), ENTER	STANDBY mode	
* 7	Audible countdown settings	Audible countdown is default activated.
Press 7 again will mute or activate the audible countdown.	Muting the audible countdown	

Method 2: **By sending SMS message**

The user sends the following message in order to:

Activate the audible countdown when entering (Default):
#09#1# (43)
Mute the audible countdown when entering: #09#0# (44)

5.3.6 Key tones of the Panel

When the buttons of the Panel is pressed, the key tones will default be sound. The user sends the following message in order to:

Activate the key tones: #10#1# (45)

Mute the key tones (Default): #10#0# (46)

5.3.7 Backlight of the Panel

The backlight of the Panel LCD screen can be turn on/off by the following two methods:

Method 1: **By the keypad**

Pressing keys	Description	LCD Display
Password (or 1 2 3 4), ENTER	STANDBY mode	
* 6	Backlight settings	The backlight will flash red one time, that means it is turning on.
Press 6 again will turn on or turn off the backlight.	Turning on/off the backlight	The backlight will turning off.

Method 2: **By sending SMS message**

The user sends the following message in order to:

Turning on the backlight (Default): #13#1# (47)

Turning off the backlight: #13#0# (48)

5.3.8 SMS notification upon the power supply changing

The Wireless Alarm Panel will notify the user whenever the power supply changes status. If the power adapter is disconnected or when a failure of the AC power occurs, the Panel will notify the user "External power cut. The device is operating on battery." If the Panel is again connected to the external power, or the AC power is available again, a notification will be sent to the user stating "The device is now resuming the use of external power source."

The user sends the following message in order to:

SMS notification upon the power supply changing (Default):

#35#1# (49)

No SMS notification upon the power supply changing:

#35#0# (50)

5.3.9 Getting temperature data

The Wireless Alarm Panel has a built-in thermometer. It also supports an external wireless thermometer which should be placed near the Panel. The external wireless thermometer needn't pair with the Panel.

The user sends the following message in order to:

Get the temperature data from the built-in thermometer:

#30#1# (51)

Get the temperature data from the external wireless thermometer: #30#2# (52)

After receipt of the command, the Panel will send the temperature data via SMS message to the user.

5.3.10 Temperature alarm

The Wireless Alarm Panel has a built-in thermometer and it also supports an external wireless thermometer. A range of temperature can be pre-set for the thermometers. In this case, if the surroundings temperature is detected out of the pre-set temperature range, the Panel will auto-send the SMS alarm message to the user's mobile phone.

The user sends the following message in order to:

Enable over-temperature alarm: #31#1# (53)

Set limits of temperature for built-in thermometer:

#31#2#*MinTemp*#*MaxTemp*# (54)

Set limits of temperature for external thermometer:

#31#3#*MinTemp*#*MaxTemp*# (55)

- *MinTemp* and *MaxTemp*: The values can be set within the range of -20 to 60 centigrade degree.
- Default MinTemp is 20 and MaxTemp is 30 centigrade degree.

Disable the alarm upon going beyond limits temperature:

#31#0# (56)

5.3.11 Weak GSM signal strength alarm

The Wireless Alarm Panel can be set sending out alarm via SMS message when the GSM signal strength is too weak to maintain normal working status.

The user sends the following message in order to:

Get the GSM signal strength data: #36# (57)

Activate the weak GSM signal strength alarm (Default):

#36#1# (58)

After receipt of this command, if the GSM signal strength level is below 10, the Panel will send weak GSM signal alarm message to the user by SMS.

Deactivate the weak GSM signal strength alarm: #36#0# (59)

5.3.12 Check working status of the Panel

The user sends the following message in order to:

Check the Panel operating status: #07# (60)

After receiving the SMS commands, the Panel will reply one SMS message of working status checking for Master number, Arming/Disarming mode status, Temperature and GSM strength level.

5.3.13 Resetting the Panel

This function resets all programmed settings of Wireless Alarm Panel to their original factory values, including cleaning all user number, timing parameter and temperature parameter etc.

If the setting status is wrong or the malfunctions can't be corrected, the Panel can be restored to its original factory status to make it work normally.

The connected sensors will not clean after resetting the panel.

Method 1: Press the SET key of the Panel for 5 seconds.

Method 2:

The user sends the following message in order to:

Check the Panel operating status: #08#*Password*# (61)

After receiving the SMS commands, a long "Beep" tone will be heard,

it means resetting the Panel successfully, and then the Panel will reply one message via SMS.

5.3.14 Language settings

The user sends the following message in order to:

Choose English machine language: #37#1# (62)

Choose optional machine language: #37#0# (63)

Appendix: SMS commands list

Function	Command
(1)Add a Master number to the Panel	#00#
(2) Change the Master user's number	#14#NewMaster#
(3) Add a Family number to the Panel	#06#FamilyNumber#
(4) Delete a Family number	#11#FamilyNumber#
(5) Delete all Family numbers	#11#
(6)Change the password	#04#Old#new#
(7)Entering STANDBY status	#02#
(8)Entering ARM mode	#01#
(9)Entering ALERT mode	#03#1#
(10)Entering HOME mode	#03#2#
(11)Deactivate the speaker and then listening in the Panel area	#25#0#
(12)Activate the speaker and then talking with the Panel area (Default)	#25#1#
(13)Loading sensor	#05#ZoneNumber#Sensor Description#
(14)Removing the sensor from a zone	#26#ZoneNumber#
(15)Removing all sensors from the Panel	#13#
(16)Renaming the sensor of a zone	#27#ZoneNumber#Sensor Description#

Function	Command
(17)Pairing a 24-hour sensor	#15#1#SensorDescription#
(18)Removing a 24-hour sensor	#15#1#
(19)Pairing an accompany sensor	#15#2#SensorDescription#
(20)Set the time period for accompany sensor	#28#Time#
(21)Activate the accompany sensor	#29#1#
(22)Deactivate the accompany sensor)	#29#0#
(23)Removing all accompany sensors	#15#2#
(24)Pairing a doorbell sensor	#24#SensorDescription#
(25)Removing all doorbell sensors	#24#
(26)Removing all keychain remote controls。	#17#
(27)Setting entry delay	#16#1#Time#
(28)Setting exit delay	#16#2#Time#
(29) Set time period to arm the Penal	#22#WorkDay#ArmTime1#DisarmTime1#ArmTime2#DisarmTime2#
(30) Enable timing arming the Panel	#23#1#
(31) Disable timing arming the Panel	#23#0#
(32) Siren sounded time	#12#time#
(33) Activate the SMS notification upon sensor alarm(Default)	#18#1#
(34) No SMS notification upon sensor alarm	#18#0#

Function	Command
(35) Activate the SMS notification upon doorbell alarm when in ALERT or HOME mode	#19#1#
(36) No SMS notification upon doorbell alarm when in ALERT or HOME mode (Default)	#19#0#
(37) Activate call notification upon alarm(Default)	#20#1#
(38) No call notification upon alarm	#20#0#
(39) Activate call notification upon doorbell alarm	#21#1#
(40) No call notification upon doorbell alarm(Default)	#21#0#
(41) Activate arming/disarming by call(Default)	#32#1#
(42) Deactivate arming/disarming by call	#32#0#
(43) Activate the audible countdown when entering (Default)	#09#1#
(44) Mute the audible countdown when entering	#09#0#
(45) Activate the key tones	#10#1#
(46) Mute the key tones (Default)	#10#0#
(47) Turning on the backlight (Default)	#13#1#
(48) Turning off the backlight	#13#0#
(49) SMS notification upon the power supply changing (Default)	#35#1#
(50) No SMS notification upon the	#35#0#

Function	Command
power supply changing	
(51) Get the temperature data from the built-in thermometer	#30#
(52) Get the temperature data from the external wireless thermometer	#30#2#
(53) Enable over-temperature alarm	#31#1#
(54) Set limits of temperature for built-in thermometer	#31#2#MinTemp#MaxTemp#
(55) Set limits of temperature for external thermometer	#31#3#MinTemp#MaxTemp#
(56) Disable the alarm upon going beyond limits temperature	#31#0#
(57) Get the GSM signal strength data	#36#
(58) Activate the weak GSM signal strength alarm (Default)	#36#1#
(59) Deactivate the weak GSM signal strength alarm	#36#0#
(60) Check the Panel operating status	#07#
(61) Check the Panel operating status	#08#Password#

SimPal-B3

GSM Alarm System